

# SONY

## TRINITRON® COLOR TV BASIC SCHEMATIC DIAGRAM

### KV-1982M9/RM-677A

Chassis No. SCC-B21L

#### NOTE

THIS SCHEMATIC DIAGRAM IS FOR USE BY YOUR SERVICE TECHNICIAN.  
KEEP THIS DIAGRAM HANDY FOR FUTURE REFERENCE.

Sony Corporation

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Printed in Japan

#### WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

#### SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND  $\Delta$  MARK ON THE SCHEMATIC DIAGRAMS ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THE SERVICE MANUAL.

#### Note:

- All capacitors are in  $\mu$ F unless otherwise noted. 50WV or less are not indicated except for electrolytics. p:  $\mu$ F
- Indication of resistance, which does not have one for rating electrical power is as follows.

Pitch: 5mm, Rating electrical power: 1/4W  
k $\Omega$ : 1000 $\Omega$ , M $\Omega$ : 1000k $\Omega$

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- $\square$ : nonflammable resistor.
- $\square$ : fusible resistor.
- $\Delta$ : internal component.
- $\square$ : panel designation.
- $\square$ : adjustment for repair.
- $\square$ : B + bus.

- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken with a 10 M $\Omega$  digital multimeter.
- Voltage variations may be noted due to normal production tolerances.
- Readings are taken with a color-bar-signal input.
- no mark: with PAL color-bar signal received.
- ( ) : with SECAM color-bar signal received
- < > : with NTSC 3.58MHz color-bar signal received

Note: The components identified by shading and  $\Delta$  are critical for safety. Replace only with part number specified.

#### Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE WIREWOUND
	: RB	NONFLAMMABLE CEMENT
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

#### SCHEMATIC DIAGRAMS

	VHF LOW	VHF HIGH	UHF
VL	12V	0.2V OR LESS	0.2V OR LESS
VH	0.2V OR LESS	12V	0.2V OR LESS
U	0.2V OR LESS	0.2V OR LESS	12V
VC	1.3V-20V	0.8V-25V	1.5V-25.5V
B		12V	
AGC		0.5V (GAIN MAX) -0.5V	

ANT

SP901

BT-886A

ICF-380M9

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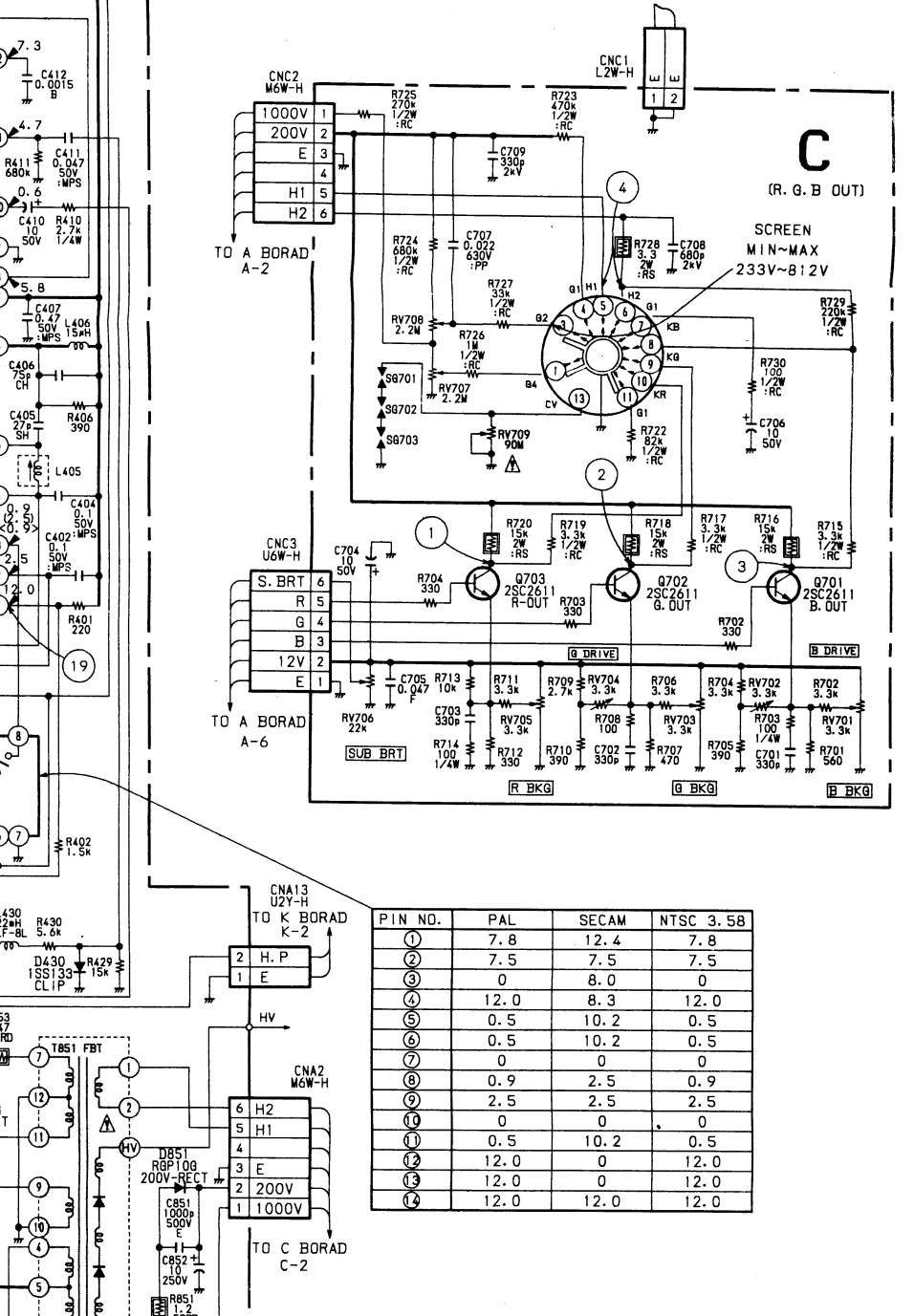
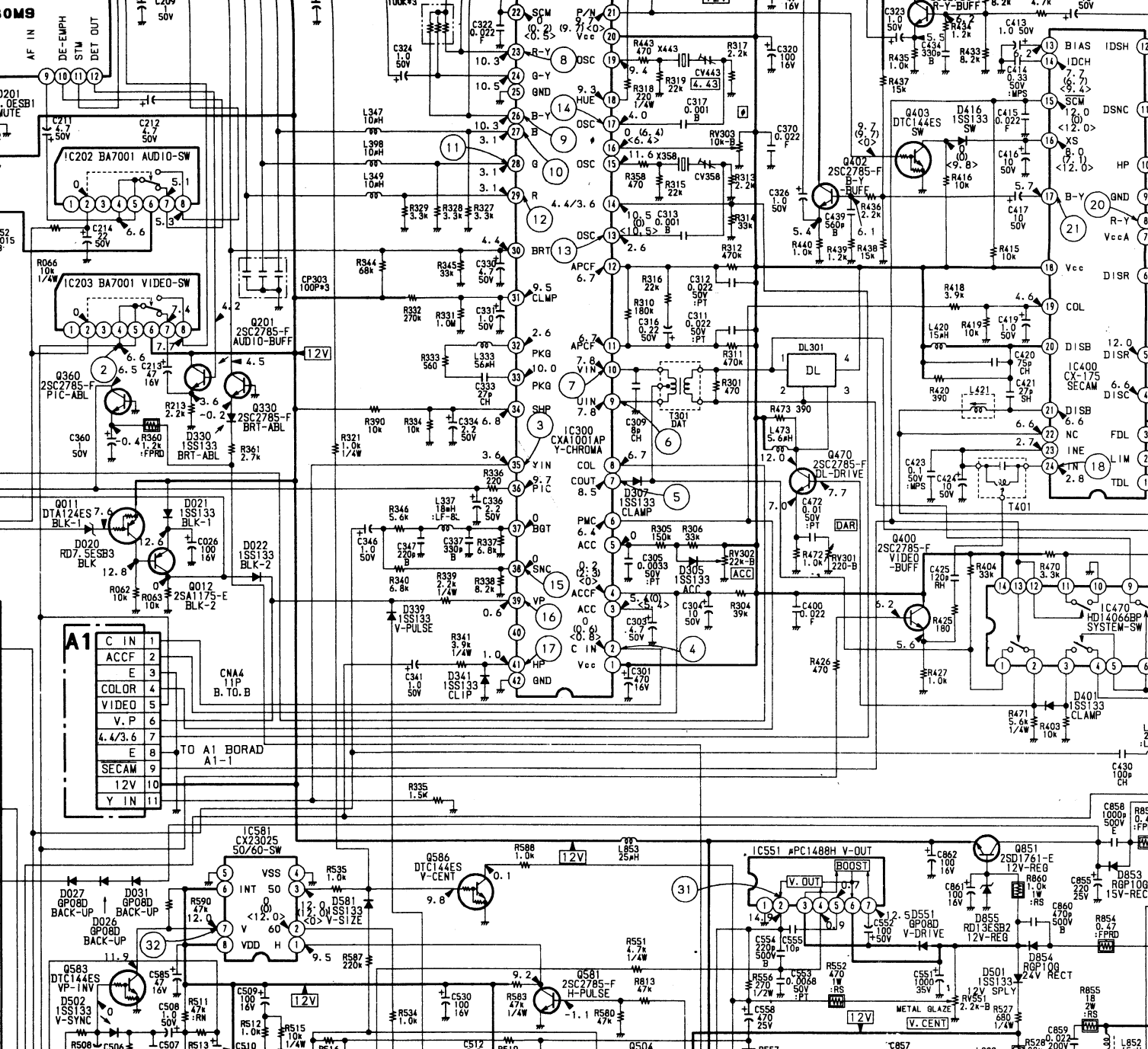
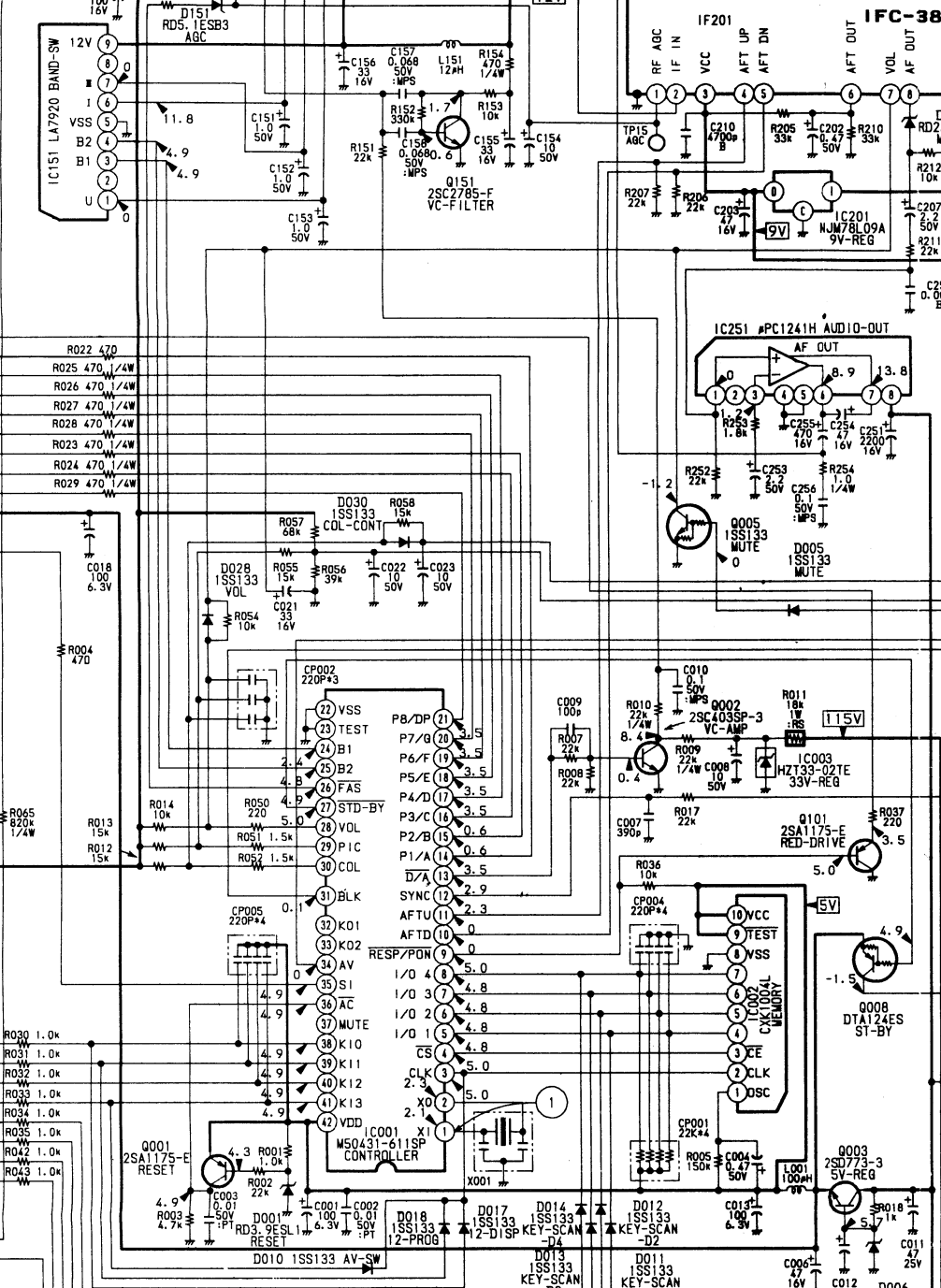
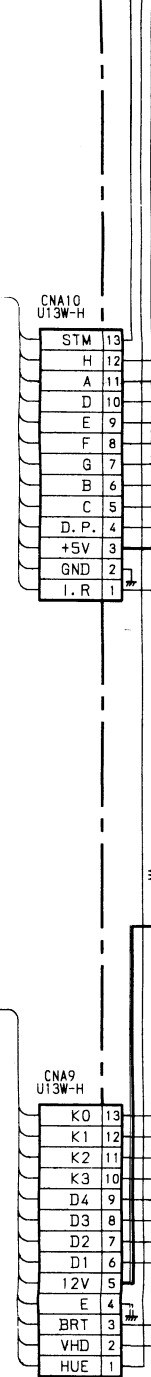
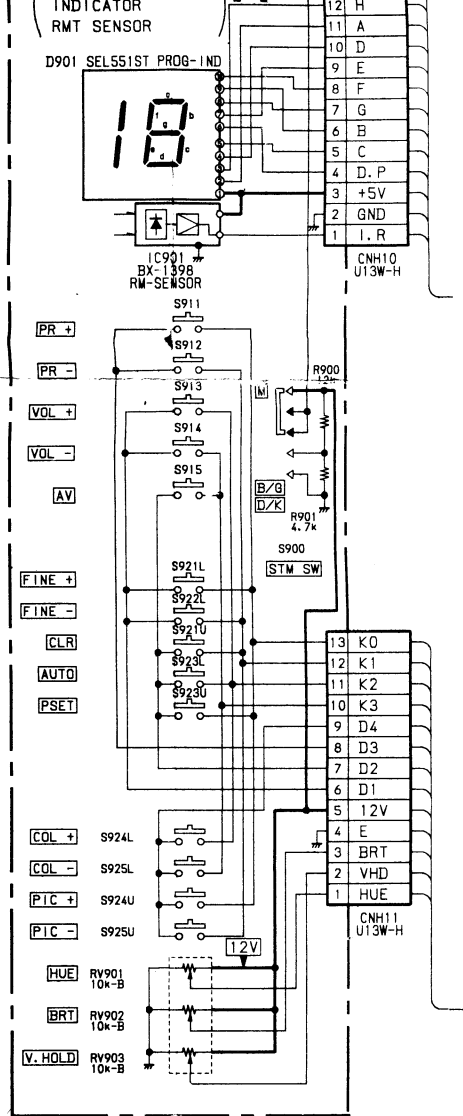
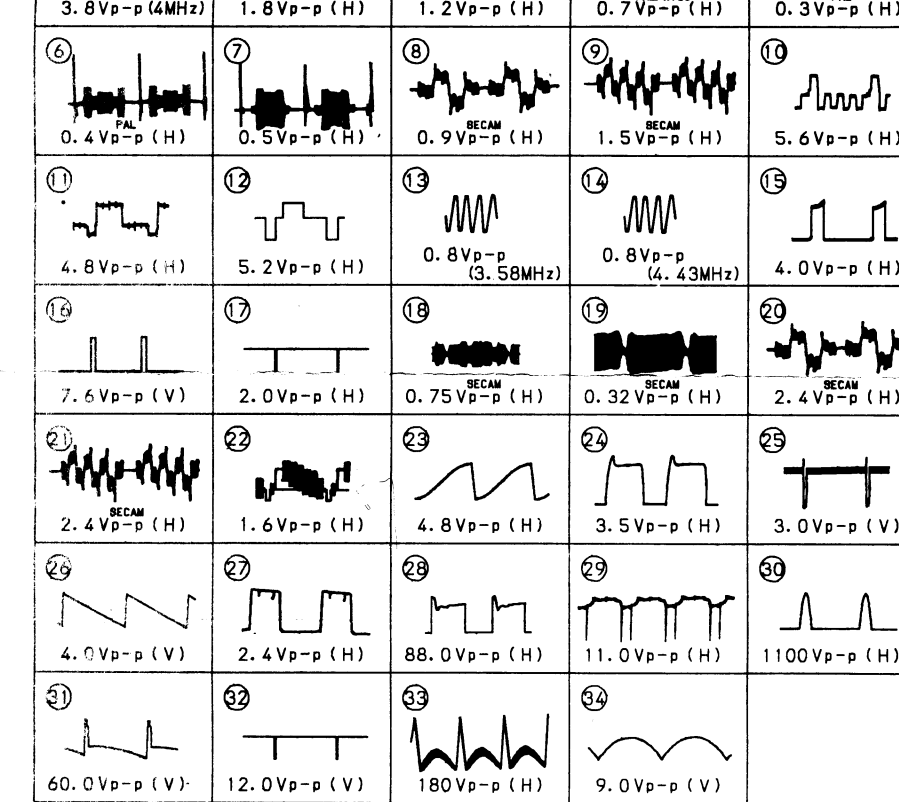
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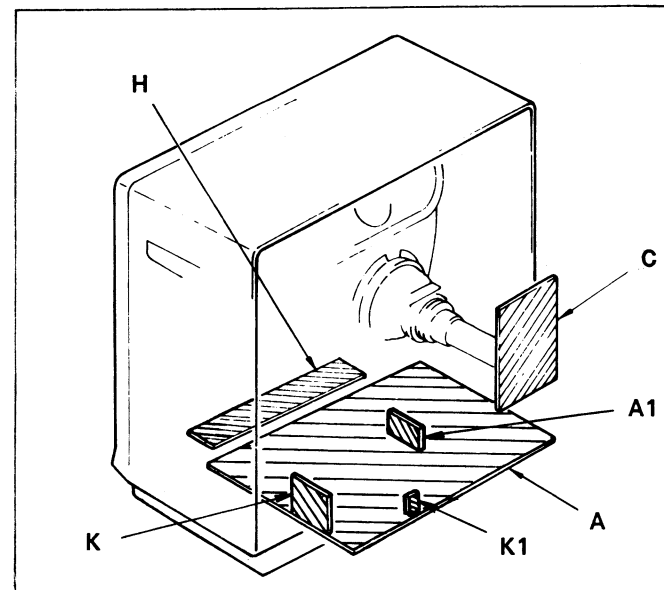
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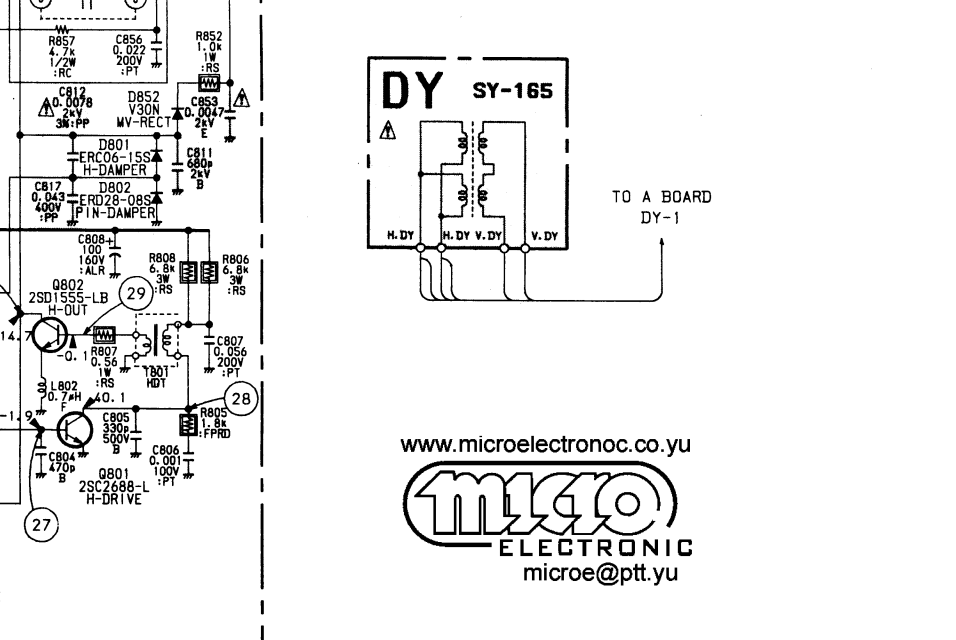
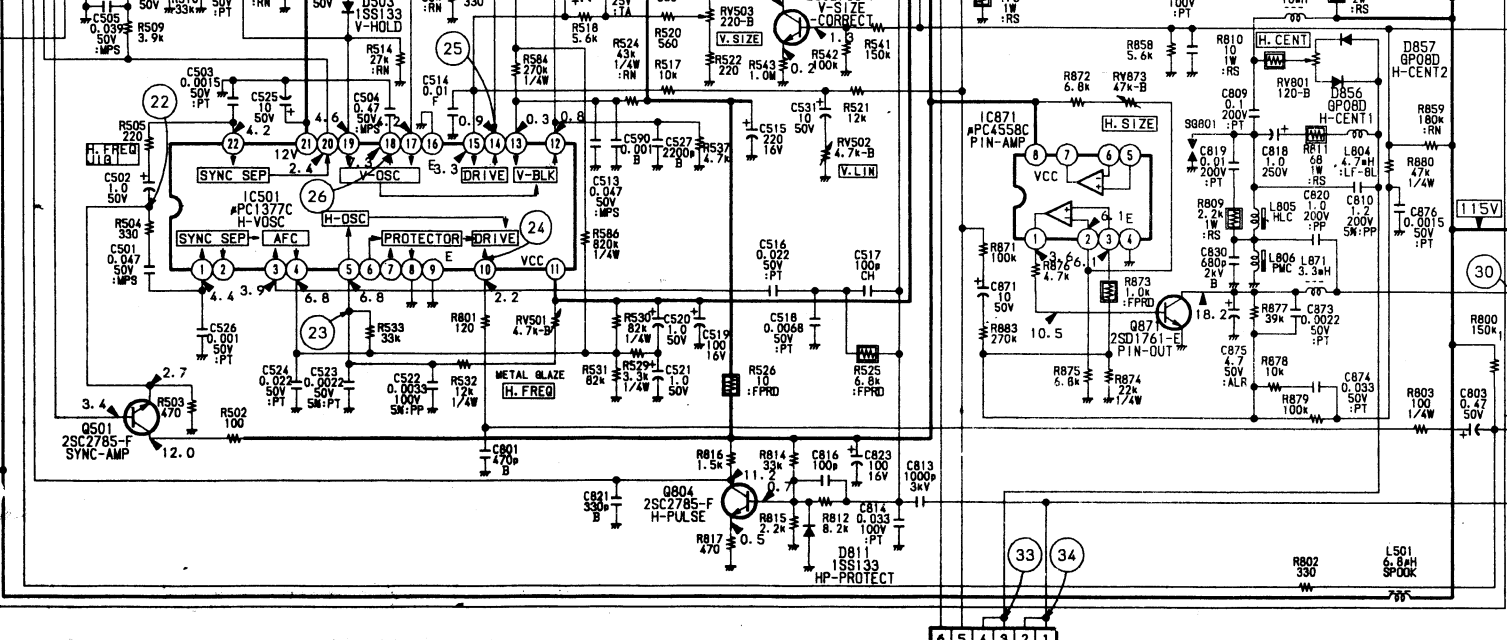
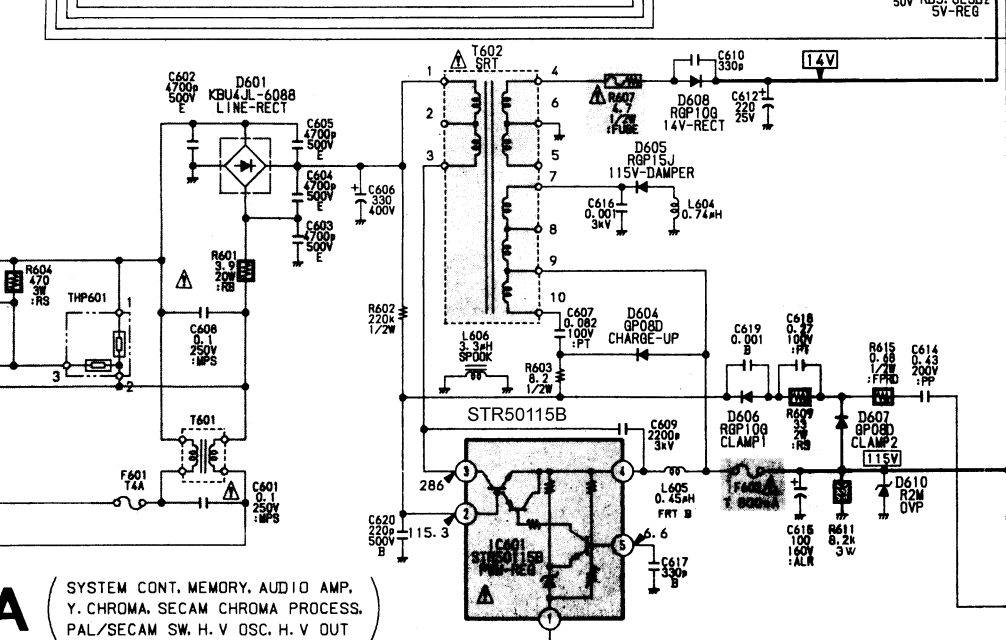
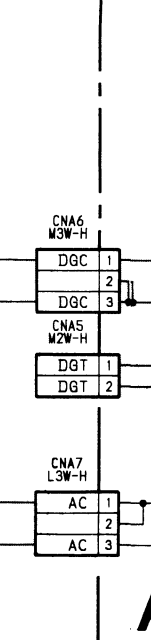
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